D-Link®

DVG-5802S ALL-IN-ONE INTERNET SHARING AND TELEPHONY GATEWAY

POWER
SAVING

WIRELESS N GIGABIT MULTIMEDIA VoIP GATEWAY

INTELLIGENT QoS TECHNOLOGY

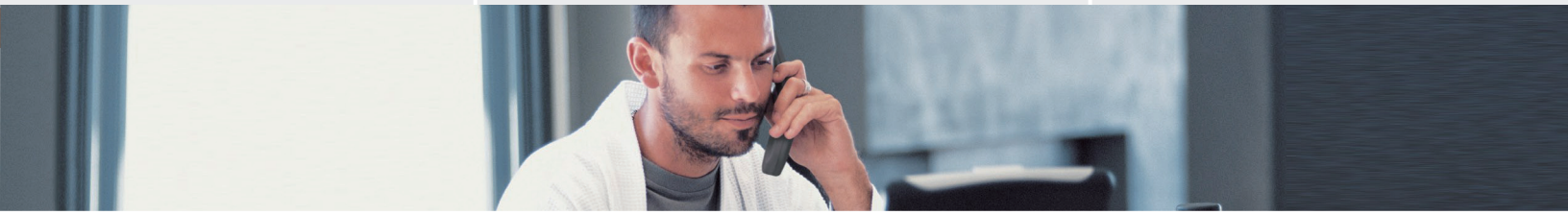
Industry leading StreamEngine™ technology manages traffic streams dynamically ensuring trouble-free Internet experience and fixed telephone quality voice calls.

HIGH-SPEED NETWORKING

Powerful processor and Gigabit Ethernet architecture delivering highest routing throughput. Latest 802.11n (draft) support delivering up to 300Mbps speed and over 900Mbps of IPTV Streaming.

ADVANCED NETWORK SECURITY

Compliant with WEP, WPA, WPA2 wireless security encryption standards. Support for latest WPS (Wi-Fi Protected Setup) protocol. Built-in firewall with advanced filtering and parental control features.



EVERYTHING YOU NEED FOR YOUR HOME OR SMALL BUSINESS

The DVG-5802S Wireless N Gigabit Multimedia VoIP Gateway is the total solution for your integrated networking needs. It is equipped with 7 Gigabit interfaces for home network connections, latest wireless technology and 2 phone connections for VoIP telephony. At the heart of the device is a powerful processor capable of simultaneously handling multiple applications, including Internet browsing, online gaming, P2P (peer-to-peer) sessions, telephony and video streaming.

TELEPHONE QUALITY INTERNET TELEPHONY

The DVG-5802S delivers true telephone quality Internet voice telephony, resulting in clear and crisp audio, with no gaps or echo in conversation. State-of-the art QoS (Quality of Service) mechanisms dynamically prioritises VoIP traffic streams ensure no loss or degradation. Built-in smart error correction algorithm can conceal up to 30% of voice degradation in the event that traffic gets corrupted on the Internet. Provisioning service allows the service provider to automatically configure, manage and monitor the DVG-5802S remotely providing total ease of use for the consumer. Using Internet telephony will be as easy to use as a regular analog phone.

SECURE MULTIMEDIA NETWORKING

The DVG-5802S is ready for the next evolution in wireless security with support for WPS (Wi-Fi Protected Setup). Built-in backwards compatibility to legacy 802.11b/g devices and Good Neighbour Policy support ensures minimal interference with other wireless networks. You can rest assure and fully enjoy wire-free digital multimedia experience with total peace of mind.

CONSERVES ENERGY

The DVG-5802S decreases energy costs through the reduction of power consumption without sacrificing operational performance or functionality, providing benefits to the ecosystem and Home/SOHO users. Ports that have no link are automatically powered off, resulting in tremendous power saving.

greenethernet

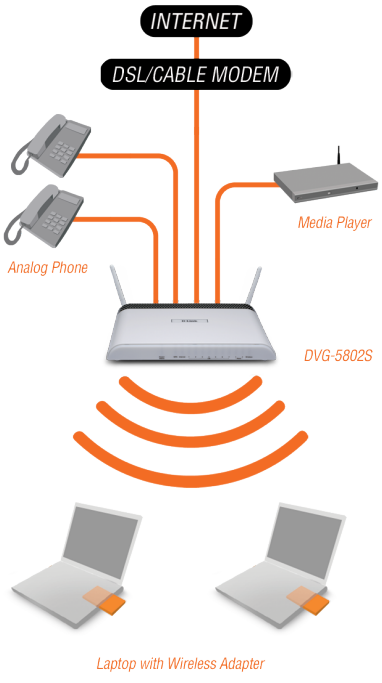
WIRELESS N

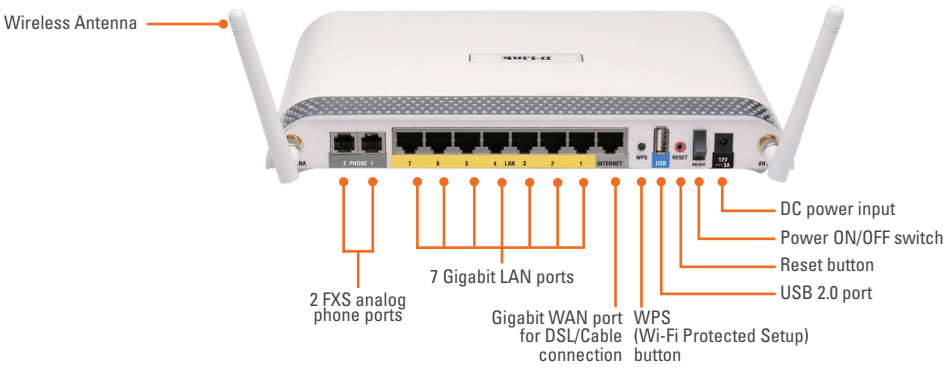
DVG-5802S ALL-IN-ONE INTERNET SHARING AND TELEPHONY GATEWAY

WHAT THIS PRODUCT DOES

The DVG-5802S gateway provides everything in a single device. Connect it to your DSL/Cable connection, and you can establish a secure and versatile network and make phone calls anywhere in the world using the Internet. The DVG-5802S gateway allows multiple users to surf the web and up to two people can make Internet phone calls simultaneously. It has a built-in 802.11n wireless access point and 7 Gigabit Ethernet ports, so multiple users can connect to the network wirelessly or through Ethernet cables.

YOUR NETWORK SETUP





TECHNICAL SPECIFICATIONS

DEVICE INTERFACES

+ IEEE 802.11n (draft) wireless LAN
+ 2 RJ-11 FXS analog phone ports
+ 1 RJ-45 10/100/1000 Auto-sensing Gigabit WAN port
+ 7 RJ-45 10/100/1000 Auto-sensing Gigabit LAN ports
+ WPS button
+ Reset button (restore to factory default state)
+ USB 2.0

WIRELESS AND ROUTING

+ Compatible with IEEE 802.11b/802.11g/802.11n (draft) 2.4GHz Standard
+ 64/128-bit WEP security support
+ WPA & WPA2 security support
+ Wi-Fi protected setup (WPS) support
+ WMM (Wireless Multi-Media) Support
+ Industry leading StreamEngine™ automatic QoS technology
+ WISH (Wireless Intelligent Stream Handling)
+ Built-in WAN clients (DHCP, Static IP, PPPoE, PPTP, L2TP)
+ Network address translation (NAT)
+ Stateful packet inspection (SPI) firewall
+ VPN Pass-through support (IPSec, PPTP, L2TP)
+ GMP, Static route, WLAN partition support
+ DHCP server, DNS relay
+ IP/MAC filtering, One DMZ support
+ IGMP, Multicast, VLAN

VoIP AND TELEPHONY

+ SIPv2 (RFC3261) compliant
+ MD5 Authentication for SIP
+ SIP NAT Keep Alive Time
+ Flash Hook Timer
+ Streaming Audio Server- Uupto 10 Sessions
+ Failover SIP Proxy server registrations
+ Voice Activity Detection (VAD)
+ Comfort Noise Generation (CNG)
+ G.165/G.168 Echo Cancellation
+ Built-in codecs: G.711 (A-law, U-law), G.726, G.729A/B (option)
+ T.30 FAX pass through, T.38 real time FAX relay
+ Caller ID: DTMF, FSK-Bellcore, FSK-ETSI detection and generation by country select
+ Adaptive jitter buffer
+ DTMF, Pulse dialling support
+ Out-of-band DTMF relay: RFC2833/SIP info
+ Termination Impedance: complex Impedance
+ Telephone book

CONFIGURATION AND MANAGEMENT

+ Web-based GUI for remote/local management
+ Support Internet Explorer v6 or newer, Firefox v1.5 or newer
+ Firmware upgradeable via web-based GUI
+ Extensive event logging feature
+ Email notification
+ UPnP and DDNS support
+ XML agent support
+ Diagnostic LEDs: Power/Status, USB/WPS, Internet, LAN (1~7), Phone (1~2), Wireless

DIMENSIONS

260 x 234.1 x 41.8 mm

WEIGHT

0.65kg

OPERATING TEMPERATURE

0°C to 40°C

STORAGE TEMPERATURE

-20°C to 65°C

OPERATING HUMIDITY

10% to 90% non-condensing

STORAGE HUMIDITY

5% to 95% non-condensing

POWER INPUT

12VDC 2.1A external adapter (supplied)

PHYSICAL INSTALLATION

+ Desktop
+ Wall mount

[1] Maximum wireless signal rate derived from IEEE standard 802.11g and draft 802.11n specifications. 802.11n speeds obtainable when operating among Wireless N products. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

Wireless N products are based on draft IEEE 802.11n specifications and are not guaranteed to be forward compatible with future versions of the IEEE 802.11n specifications. Compatibility with draft 802.11n devices from other manufacturers is not guaranteed. All references to speed are for comparison purposes only.

D-Link Corporation
No. 289 Xinhu 3rd Road, Neihu, Taipei 114, Taiwan

Specifications subject to change without notice.
D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries.
All other trademarks belong to their respective owners.

Release 03 (July. 2008)

WIRELESS N

powered by owera